

20000118.ba v02_n783.bam.20000118

>From ???@??? Tue Jan 18 21:53:43 2000 -0600
Date: Tue, 18 Jan 2000 21:51:18 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2783
Message-Id: <20000119035314.CAA89274C3@devel143.theporch.com>

BOATANCHORS Digest 2783

Topics covered in this issue include:

- 1) Seeking TM 11-844 for Zenith R-520/URR
by Avery Comarow <acomarow@usnews.com>
- 2) My 3880 and 3885 Rig
by David Stinson <arc5@ix.netcom.com>
- 3) Reforming PS caps on Dentron ML 2500 apm
by "Jim Zellmer" <zellmer@raccoon.com>
- 4) TM 11-880 wanted.
by "Brian Goldsmith" <goldsmith@oup.com.au>
- 5) Re: AWA OT CW 'test
by Niel Wiegand <nielw@ix.netcom.com>
- 6) Re: Tape / Gasoline... was Removing Old Masking Tape
by Hue Miller <kargokult@proaxis.com>
- 7) Re: Tape / Gasoline... was Removing Old Masking Tape
by "Ed Zeranski" <ezeran@concentric.net>
- 8) Re: [MilSurplus] My 3880 and 3885 Rig
by "Ed Zeranski" <ezeran@concentric.net>
- 9) Re: beyond TCS, other uncommon installations
by Hue Miller <kargokult@proaxis.com>
- 10) USCG TRP-109 ??
by Hue Miller <kargokult@proaxis.com>
- 11) Re: RU users comments??
by Hue Miller <kargokult@proaxis.com>
- 12) Re: beyond TCS, other uncommon installations
by "Ed Zeranski" <ezeran@concentric.net>
- 13) Re: Help with an RAO-2
by "Steve" <scb@internettpport.net>
- 14) FS: 3 12BY7 tubes
by Michael Crestohl <mc@sover.net>
- 15) Re: Manual for military Transoceanic
by Avery Comarow <acomarow@usnews.com>
- 16) Re: Other uncommon installations and story
by Kd6b@aol.com
- 17) Re RU receiver
by philip mccooy <dgnova@erols.com>
- 18) TCS in CIC

- by FRANKK6NL@aol.com
- 19) Re: beyond TCS, other uncommon installations
by William Donzelli <aw288@osfn.org>
 - 20) Re: TCS in CIC
by WF2U <mbendror@villagenet.com>
 - 21) More tubes
by William Donzelli <aw288@osfn.org>
 - 22) Status: Manuals List #1 and #2
by "Schroeder, Russell G" <Russell.Schroeder@usa.xerox.com>
 - 23) Thanks for National HFS Information and Help
by Liles and Naomi Garcia <naomi@ftconnect.com>
 - 24) Re: Help with an RAO-2
by "Lawrence R. Ware" <lrware@pipeline.com>
 - 25) Re: Help with an RAO-2
by Arden Allen <gumbear@pacbell.net>
 - 26) Re: Other uncommon installations and story
by "Ed Zeranski" <ezeran@concentric.net>

Message-Id: <3.0.6.32.20000117203838.0079dc90@ntpop.usnews.com>
Date: Mon, 17 Jan 2000 20:38:38 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Avery Comarow <acomarow@usnews.com>
Subject: Seeking TM 11-844 for Zenith R-520/URR
Cc: dcboatanchors@qth.net
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looking for an original of the govt. manual for this military version of the Zenith Transoceanic. I just picked one up over the weekend. It's always interesting to see a mass-market product that's been done to milspecs (though I do wish mine had come with the tool kit and the spare tubes (if you've priced a 1L6, you'll understand).

Thanks.

73, Avery W3AVE

Message-ID: <3883D2ED.467655F2@ix.netcom.com>
Date: Mon, 17 Jan 2000 20:41:49 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: My 3880 and 3885 Rig
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Several people asked me about the rig I'm using in my office here in Central Texas on 75 mtrs AM. It's a 100% stock, 28 volt drinking, dynamotor churning single-single SCR-274N with all the doo-dads that go with it. On AM, it's a twenty watt power house. ;-)

Photo at:

<http://www.arc5.com/1x1274n.jpg>

Thanks for asking, guys.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

Message-ID: <002201bf6161\$d8dac080\$1f895aa5@raccoon.com>
From: "Jim Zellmer" <zellmer@raccoon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Reforming PS caps on Dentron ML 2500 apm
Date: Mon, 17 Jan 2000 21:12:24 -0600
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have am going thru the process of reforming the PS caps in a ML-2500 amp. I am using a Eico 950B resistance capacitance comparator bridge for a variable PS and am measuring the ma by monitoring the voltage across a 20K resistor in series with the cap. The general technique is to rise the supply voltage until I see about 1 ma of current (20 volts across the 20K resistor. . I let the voltage set until the indicated current quits dropping and then rise the voltage until I see about 1 ma of current again and then repeat the cycle.

This schematic on this amp shows 6 FP electrolytics 150 mf a @450 Vdc. The amp has 3 spragues that match the skematic and 3 CD caps that are mutli section that are hooked in parallel. So far I have reformed the 3 spragues which had a leakage of about .5 ma at 450 Vdc. I will have to see how the CDs look.

This subject has be covered before, but what is a good leakage limit guide line for reuse or replace in this application and if replacement is warranted, what is a good source for replacement caps?

The amp uses a 100K ohm carbon comp resistor across each cap. I plan to replace these 3 watt MOF resistors.

73,

Jim Zellmer, KA0VSL

From: "Brian Goldsmith" <goldsmith@oup.com.au>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <glowbugs@pioabaire.mines.uidaho.edu>
Subject: TM 11-880 wanted.
Date: Tue, 18 Jan 2000 14:56:50 +1100
Message-ID: <000001bf6168\$0cab28e0\$d815c018@vic.bigpond.net.au>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looking for copy of TM 11-880. Content is about the AR88 (and versions)
however I don't know the official title. Can anyone help?
 Brian Goldsmith

Message-ID: <3883F707.179F198C@ix.netcom.com>
Date: Mon, 17 Jan 2000 23:15:51 -0600
From: Niel Wiegand <nielw@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: AWA OT CW 'test'
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'll be on with my National NRO and NTX 30. See
<http://www.io.com/~nielw/shack4.htm>

73, Niel - WA5VLZ

"Marty's Refl. Drop" wrote:

>
> I'll be on Wed. 1/26 & Sat. 1/29 nights next week with my Freudian Twins.
> RME & Stancor 69s. Freq.s ~3590 & ~7040.
>
> Marty

Message-Id: <3.0.5.32.20000117213051.007fa2a0@proaxis.com>
Date: Mon, 17 Jan 2000 21:30:51 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Hue Miller <kargokult@proaxis.com>
Subject: Re: Tape / Gasoline... was Removing Old Masking Tape

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:38 PM 1/17/00 -0500, Marty's Refl. Drop wrote:
>gasoline on a sponge for long-term soak. NEVER misses

--Well, it will lift the tape, but i guarantee you will get a nasty
surprise with some paint.
Hue

Message-ID: <025b01bf6176\$850fbea0\$518cfea9@g5p3m4>
From: "Ed Zeranski" <ezeran@concentric.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Tape / Gasoline... was Removing Old Masking Tape
Date: Mon, 17 Jan 2000 21:40:23 -0800
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Hue Miller <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Monday, January 17, 2000 9:19 PM
Subject: Re: Tape / Gasoline... was Removing Old Masking Tape

>At 01:38 PM 1/17/00 -0500, Marty's Refl. Drop wrote:
>>gasoline on a sponge for long-term soak. NEVER misses
>
>--Well, it will lift the tape, but i guarantee you will get a nasty
>surprise with some paint.
>Hue
>

I started using nasty old WD-40 on tape after folks used it to
remove tape from windows after hurricanes etc in FLA back a grunch 'o years.
Just have to be patient. On the other hand..lot of radios here have scrudge
on the case but are primo electronically....never was a body and fender guy.
In some cases grunge may be a structural component.

Message-ID: <026b01bf6177\$b6722680\$518cfea9@g5p3m4>
From: "Ed Zeranski" <ezeran@concentric.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: [MilSurplus] My 3880 and 3885 Rig
Date: Mon, 17 Jan 2000 21:48:55 -0800

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: David Stinson <arc5@ix.netcom.com>
To: Boatanchors <boatanchors@theporch.com>; ARC-5 <arc5@qth.net>;
MilSurplus@qth.net <MilSurplus@qth.net>
Date: Monday, January 17, 2000 6:54 PM
Subject: [MilSurplus] My 3880 and 3885 Rig

>Several people asked me about the rig I'm using
>in my office here in Central Texas on 75 mtrs AM.
>It's a 100% stock,

Dave,

Do want .jpg of other ARC-5 stuff thats working? Doug, the guy whose
ARC-2 I sent you, has a command set station on 40 CW and 7160 AM. Can
probably get some pictures of these other whackos and their sets in San
Diego, just gotta catch 'em . Not all are pretty but they work.

Message-Id: <3.0.5.32.20000117215846.007e84a0@proaxis.com>
Date: Mon, 17 Jan 2000 21:58:46 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Hue Miller <kargokult@proaxis.com>
Subject: Re: beyond TCS, other uncommon installations
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:03 AM 1/17/00 -0600, David Stinson wrote:

>I have photographic documentation of a WW-II jungle airstrip
>in which the air traffic controllers are using an
>SCR-274N command set and a big battery bank.

--This is very interesting; too bad it's not identified.
Likely what they called an "auxiliary" or "emergency airstrip".

>Also have a photograph of a pacific tower using the
>Bendix twins that were mostly given to lend-lease
>(dont' remember their nomenclature).

--Radio News had a photo of an airfield station, in CBI

area*, setup with visible Bendix RA-10 receiver. Probably transmitter used with, was TA-12 or maybe TA-2J24 or TA-24 or whatever that big one with the 813 final, was named

>I'm working on a restoration with a group of gentlemen
>who were -very- close air support spotters in Korea.
>The group called themselves "Mosquitos."
>They drove a jeep outfitted with aircraft radios

--"Military" magazine has an ongoing series on Korea War that describes such jeeps, but in this mention, it was ARC-1's. I'll have to locate that particular article to see if HF radio was mentioned, but i don't think so, might have just been deemed not mentionworthy in context of article.

>> ...lifeboat 2-way equipment of that era worked on LF....
>I have an RCA lifeboat set built 1938 that covered 2-4 MC.

--I suggest this is exceptional. I have looked at Mackay and RMCA manuals and lists of such equipment, and it seems to be regen receiver + LF transmitter in one big cabinet.

> The famous "Gibson Girl"
>bail-out radio transmitted on both 500 KC and 8 MC
>alternately.

--But this was xmt only. Which leaves me wondering about that account: what kind of set were the men in the lifeboat using, when they heard from fleet radio- presumably- that a certain US ship had been sunk? Altho, come to think of it- unless they were overhearing search and rescue traffic, the rest, such as reporting of USN ship loss, would be classified, and coded. A curious account.
Hue Miller

Message-Id: <3.0.5.32.20000117220429.00802210@proaxis.com>
Date: Mon, 17 Jan 2000 22:04:29 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Hue Miller <kargokult@proaxis.com>
Subject: USCG TRP-109 ??
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Say boys and girls, i have acquired a US Coast Guard type TRP-109C 5-watt AM radio 2-3.5 mc/s, by W.E.Co.

1-anyone have a schematic (haha, yes,funny)

2-Do you suppose the USCG nomenclature represents Transmitter Receiver Portable?

3-what kind of USCG vessel would carry such a small radio (size of 1 TCS unit, 12vdc powered by internal vibrator PS) ?

Thanks, Hue Miller

Message-Id: <3.0.5.32.20000117220703.00801630@proaxis.com>
Date: Mon, 17 Jan 2000 22:07:03 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Hue Miller <kargokult@proaxis.com>
Subject: Re: RU users comments??
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello- just wondering if anyone had actually warmed up an RU receiver and tried it out. I already know that on AM it would be hopeless - sort of just a bandpass filter with a detector and audio- but on CW, as a direct conversion receiver, how usable is it?

Tnx, Hue Miller

Message-ID: <027e01bf617b\$c14bb860\$518cfea9@g5p3m4>
From: "Ed Zeranski" <ezeran@concentric.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: beyond TCS, other uncommon installations
Date: Mon, 17 Jan 2000 22:17:51 -0800
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>
>>I have photographic documentation of a WW-II jungle airstrip
>>in which the air traffic controllers are using an
>>SCR-274N command set and a big battery bank.
>
>--This is very interesting; too bad it's not identified.
>Likely what they called an "auxiliary" or "emergency airstrip".

Given the changes in comm gear / technology from late '30s thru WWII I wonder how many of these type of things were in - theater inventions by

folks at the front who adapted what was available to what worked. Digging through old Mechanics Illustrated or Popular Science from WWII you can find bits here and there of stuff ginned up by GIs to solve problems.

>>Also have a photograph of a pacific tower using the
>>Bendix twins that were mostly given to lend-lease
>>(dont' remember their nomenclature).

>

>--Radio News had a photo of an airfield station, in CBI
>area*, setup with visible Bendix RA-10 receiver. Probably
>transmitter used with, was TA-12 or maybe TA-2J24 or TA-24
>or whatever that big one with the 813 final, was named

Whoa! We have Radio News back through WWII at work, will have to dive in.

>>I'm working on a restoration with a group of gentlemen
>>who were -very- close air support spotters in Korea.

>--"Military" magazine has an ongoing series on Korea War that
>describes such jeeps, but in this mention, it was ARC-1's.
>I'll have to locate that particular article to see if HF
>radio was mentioned, but i don't think so, might have just
>been deemed not mentionworthy in context of article.

ARC-1 VHF AM for sure, but ARC-2 was out there too, and I worked on a Korean era truck with an ARC-2 in 1965

>>> ...lifeboat 2-way equipment of that era worked on LF....

>>I have an RCA lifeboat set built 1938 that covered 2-4 MC.

>

>--I suggest this is exceptional. >--But this was xmt only. Which leaves me wondering about that

>account: what kind of set were the men in the lifeboat using,
>when they heard from fleet radio- presumably- that a certain
>US ship had been sunk? Altho, come to think of it- unless they
>were overhearing search and rescue traffic, the rest, such as
>reporting of USN ship loss, would be classified, and coded.

>A curious account.

>Hue Miller

If the enemy sank the booger, they knew it. So...Who would the poor

bastards in the life boat need to hide the facts from? Sure the Navy is anal in lots of ways but it might have been in their interest to get word from survivors about what happened and when so they could plot a pattern of attacks. On the other hand, a tx could have been put in lifeboats to give the crews some false sense of chance of rescue. The last may seem negative but ever heard of USS Liberty?

From: "Steve" <scb@internettpport.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 18 Jan 2000 00:33:09 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Help with an RAO-2
CC: boatanchors@sco.theporch.com
Message-id:
<20000118003657.b9f0b7f5cd3811d3b9b6005004ae2433.in@iaig.internettpport.net>

>"Power transformers are a common problem for these. About 50% have
>had them replaced at some time or another."

Greetings Larry (& Group);

Do these transformers just self-destruct, or are there some
"gotchas" in these sets to watch for if it still has the orig as my
RAO-6 does?
Also, if missing bottom and RF amp tube covers are epidemic on these,
mine included, a run of repros's might be worthwhile. Just a thought.

Regards; Steve

Message-Id: <4.2.2.20000118075341.00bfb3d0@mail.sover.net>
Date: Tue, 18 Jan 2000 07:56:47 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Michael Crestohl <mc@sover.net>
Subject: FS: 3 12BY7 tubes
Cc: boatanchors@listserv.tempe.gov
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang:

I found three new 12BY7 tubes that I believe are used as drivers in some of the later Drake equipment. One is unboxed because the box got wet and disintegrated. I sure don't need these because I don't have any Drake stuff so they're up for grabs. Price is \$15.00 which includes postage.

If interested please reply by e-mail.

73,

Michael Crestohl, W1RC
mc@sover.net

Message-Id: <2.2.32.20000118132657.008ef02c@ntpop.usnews.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 18 Jan 2000 08:26:57 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Avery Comarow <acomarow@usnews.com>
Subject: Re: Manual for military Transoceanic
Cc: dcboatanchors@qth.net

A mindlapse caused me to put the wrong manual number. I'm looking for TM 11-877, not 844.

73, Avery W3AVE

From: Kd6b@aol.com
Message-ID: <bb.7246a8.25b5cf4d@aol.com>
Date: Tue, 18 Jan 2000 09:14:37 EST
Subject: Re: Other uncommon installations and story
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Chuck Driese (sp?), a Florida ham who is now SK, told me about modifying BC-191 transmitters in WW2 for grid block keying, so the operators could use high speed bugs (As I learned in an AWA "29" contest two years ago, the 191 keying relay cannot follow a bug).

He used B batteries to make up the C supply. The upper level management was not too happy upon hearing about the mods, but did not demand a restoration either.

He was part of a unit responsible for communications with airplanes. He told me that once they had lost some of their gear in a beach landing. He and a buddy went into a "Jap" cave looking for replacement parts (tubes etc.). They found a still warm bowl of rice on a table along with a multimeter. Figuring the cave was full of enemy personnal aware of their presence, they quickly dumped the rice from the bowl, grabbed the bowl and multimeter, and "got the heck out of there". At the time he died, within the last year, Chuck still had the rice bowl and sold me the multimeter.

Ken

Message-ID: <38847A01.1799CD5F@erols.com>
Date: Tue, 18 Jan 2000 09:34:41 -0500
From: philip mccoey <dgnova@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re RU receiver
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

About 15 years back or so I set up a RU-GF receiver combination in a volkswagon bus. The receiver worked well on CW . I think it also worked well on SSB. Don't remember about 75 phone.

Keep in mind, on the RU the B minus is not grounded, so if you rig up a AC supply don't ground the B minus

Philip McCoy dgnova@erols.com

From: FRANKK6NL@aol.com
Message-ID: <30.5ba1d8.25b5e62f@aol.com>
Date: Tue, 18 Jan 2000 10:52:15 EST
Subject: TCS in CIC
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In the days before VHF when aircraft communications used were around 6 mhz we used the TCS in the Combat Information Center of escort carriers for that purpose. This use has not been mentioned previously. As I recall it was a single unit combining Tx and Rx. Frank

Date: Tue, 18 Jan 2000 11:32:59 -0500 (EST)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: beyond TCS, other uncommon installations
Message-ID: <Pine.SUN.3.91-FP.1000118112904.15795A-100000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> >I have photographic documentation of a WW-II jungle airstrip
> >in which the air traffic controllers are using an
> >SCR-274N command set and a big battery bank.
>
> --This is very interesting; too bad it's not identified.
> Likely what they called an "auxiliary" or "emergency airstrip".

>From 1945 on for a few years, most airstrips (well, bigger ones anyway)
had ground based SCR-274Ns. Flip up one of the console panels of an
AN/MPN-1 radar, and there they sit...

William Donzelli
aw288@osfn.org

Date: Tue, 18 Jan 2000 12:30:30 -0500 (EST)
Message-Id: <200001181730.MAA14310@vnet.villagenet.com>
From: WF2U <mbendror@villagenet.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 8bit
Subject: Re: TCS in CIC
Content-Transfer-Encoding: 8bit

Quoting FRANKK6NL@aol.com:

> In the days before VHF when aircraft communications used were around 6 mhz
> we
> used the TCS in the Combat Information Center of escort carriers for that
>
> purpose. This use has not been mentioned previously. As I recall it was a
>
> single unit combining Tx and Rx. Frank
>

The TCS is not a single unit. It comprises of a separate receiver, transmitter
and a power supply and optionally an antenna tuner and a speaker/remote control.
However, the receiver and transmitter can be mounted on top of each other in
which case the set may resemble a single unit...

73, Meir WF2U

Date: Tue, 18 Jan 2000 13:24:02 -0500 (EST)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>

Subject: More tubes

Message-ID: <Pine.SUN.3.91-FP.1000118130714.15795M-1000000@osfn.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I still have lots of tubes available for those that like testing them. Remember "Tube Gettin-Ridof Time"? Well, here we go again, but I have decided to increase the number of tubes in each lot.

Once again, they are untested, but the type numbers are goodies - lots of boatanchor types, and none of the silly junk (Compactrons, damper tubes, dumb filament voltages, TV types, etc.). Basically, if a tube is cool enough to be included in *Tube Lore*, it got put in the piles. Tubes with obvious problems never made it to the piles.

- A) (90) 7 and 9 pin minis, nearly all 6 and 12 volt types.
- B) (90) 7 and 9 pin minis, nearly all 6 and 12 volt types.
- C) (90) 7 and 9 pin minis, nearly all 6 and 12 volt types.
- D) (40) Octal metals, no rustbuckets.
- E) (40) Octal glass.

Price is \$20 per lot, shipping is included (US only - foreign buyers are welcome, but shipping will kill you). Cash is preferred.

William Donzelli
aw288@osfn.org

Content-return: allowed

Date: Tue, 18 Jan 2000 13:53:06 -0500

From: "Schroeder, Russell G" <Russell.Schroeder@usa.xerox.com>

Subject: Status: Manuals List #1 and #2

To: Old Tube Radios <boatanchors@theporch.com>

Cc: "Schroeder, Russell G" <Russell.Schroeder@usa.xerox.com>

Message-id: <7C9F0BB3FDC5D3119C5900805FC7361583A3A8@usa0207ms1.eng.mc.xerox.com>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Hollowstaters,

Thank you all for the tremendous response. I wish I had a basket of 51J4 and Hickok 6000A manuals. It will take me a day or so to straighten everything out and notify the "winners"

73 Russ W2DYY

Russell.Schroeder@usa.xerox.com

Message-ID: <3884C5DF.45FFE73D@ftconnect.com>
Date: Tue, 18 Jan 2000 11:58:24 -0800
From: Liles and Naomi Garcia <naomi@ftconnect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Thanks for National HFS Information and Help
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good day Everybody,

I want to thank everybody that emailed me information on the National HFS Receiver. I really appreciate your all's help. I plan to get the receiver from my friend, and work on a power supply for it. Again, thanks for everybody's help!!

Regards from Aloha, Oregon,
Liles Garcia
naomi@ftconnect.com

Message-Id: <3.0.32.20000118113532.006b5dfc@pop.pipeline.com>
Date: Tue, 18 Jan 2000 21:05:12 +0000
To: Old Tube Radios <boatanchors@theporch.com>
From: "Lawrence R. Ware" <lrware@pipeline.com>
Subject: Re: Help with an RAO-2
Cc: boatanchors@sco.theporch.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 00:33 1/18/00 +0000, Steve wrote:

> Do these transformers just self-destruct, or are there some
>"gotchas" in these sets to watch for if it still has the orig as my
>RAO-6 does?

My understanding of the problem:

National appears to have used insulation paper in the transformers that contained a Sulfa based compound. Unsealed transformers then collected moisture from the air and over time this compound degraded into among other things sulfuric acid.

(Dr. Barry is free to chime in here with a more correct answer concerning the chemistry involved if he wishes....
and he gets to correct my spelling too. :-)

The end result over a lot of years was transformer failure.

Some of the mil type Nationals used a sealed transformer, which I have yet to see fail. (Now someone is going to tell us they have/had a bad one, but in my personal experience they last and last...)

I have rebuilt/rewound one. It is very tedious, but not that hard. Count the turns coming off, get some modern enamel coated wire in the correct gauges from your local motor rewind shop. Replace all the paper with plastic sheeting. I used both sheet plastic from a throw away tarp and saran wrap... Mainly counting on the modern enamel coatings to resist breakdown/flashover. When completed mine ran 5% higher loaded voltages than planned. Perhaps because of smaller spaces between windings? (Thinner insulations?) 5% is well within the range the radio can handle, unless you have a really hot (125V+) feed into the primary to start with.

Most motor rewind shops have lots of scrap wire rated for high voltage use. Just tell them you need what they use in 480V 3ph motors... If you ask nice, it is often free because any piece under 100' *is* scrap to them... If you can't scrounge what you need locally, any Belden distributor can sell you rolls. I like Belden because it is very high quality wire, other brands are cheaper... Ya make your choice and ya pay your money....

>Also, if missing bottom and RF amp tube covers are epidemic on these, >mine included, a run of repros's might be worthwhile. Just a thought. The bottom covers are pretty easy to make, the RF amp cover will need to be stamped to shape from a blank, to get the correct shape with the nice foldover edges and corners. Might be very expensive to have the required molds/dies (whatever they are called) made.

-Larry

(Who is still working on his National Coil-Catacomb book. And at the correct rate of progress, just might get it published in about 10 years... :-)

Larry Ware
lrware@pipeline.com -or-
larry@waywardhome.com

Date: Tue, 18 Jan 2000 18:43:33 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Help with an RAO-2
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FOK00KBTA9EDH@mta3.snfc21.pbi.net>
MIME-version: 1.0

Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Marty;

>When completed mine ran 5% higher loaded voltages than planned.
> Perhaps because of smaller spaces between windings?

My guess is your wire had lower resistance. Probably a slightly larger AWG somewhere. I think the core is too efficient at capturing the magnetic field. I'm assuming you used the same core and your test conditions didn't change. I would be happy to defer to experts.....

Saran wrap! That would have been my choice too. I think there is a "microwavable" type, all the better. What did you use for a winding jig and turns counter? Did you use a "spool" to keep the layers from spilling or did you trim it to size when finished?

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID: <002501bf6230\$d4cfbe80\$4120fea9@g5p3m4>
From: "Ed Zeranski" <ezeran@concentric.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <arc5@ix.netcom.com>
Subject: Re: Other uncommon installations and story
Date: Tue, 18 Jan 2000 19:54:03 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Kd6b@aol.com <Kd6b@aol.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tuesday, January 18, 2000 6:16 AM
Subject: Re: Other uncommon installations and story

>Chuck Driese (sp?), a Florida ham who is now SK, told me about modifying
>BC-191 transmitters in WW2 for grid block keying, so the operators could
use
>high speed bugs (As I learned in an AWA "29" contest two years ago, the 191
>keying relay cannot follow a bug).
>He used B batteries to make up the C supply.

Similar story....Old guy story. My wife designs jewelry, does lapidary, and way out there bead work...it actually sells VERY well. An old, just turned 80, fellow who is a retired EE and W.W.II Army Air Corps radio guy came in to talk rocks/lapidary then branched off into radio stuff when Bonnie described my tube based affliction. Cecil said they had a BC-610 from a truck (SCR-299) with all associated stuff stripped from the truck then mounted in a B-25 Bomber in North Africa. Generator got pulled up into the stripped bomb bay with the bomb winches then dropped on landing. He said a 'Ham' who had been drafted built them dipoles which they set up on landing, working much better than the aircraft wire and issued verticals. The comm was with Bomber Command in England and Washington for mission/target orders all the way across North Africa then up into Italy. The idea was to be a quick reaction forward base to bring the heavies to bear on tactical targets. Anybody else heard of this? I mentioned it to Robt. Downs a while back and he said to see if Cecil meant a 191 or BC-375. On Christmas day Bonnie and I took Cecil Royce to the San Diego Zoo for the day, because he has no local family, and he said " Well I can't remember the number but it was a Hallicrafters." He bitched about a 600VDC condenser that was underrated and had to be replaced a bunch at inconvenient times. Anyway, Cecil has agreed to sit and talk to a recorder, answer questions, talk ops etc. Gotta get this stuff while the guys have breath and its getting late! Am trying to work up a script to use so if anyone has info on this use of the 299 let me know or if you have questions to be asked please email. It sounds like an in-theater adaption to me but I may be wrong so jump in if you have background or interest. If health holds will try to drag Cecil up to San Luis Obispo for the MCRG weekend in May. Thanks folks!

Good luck and Happy BoatAnchoring!

End of BOATANCHORS Digest 2783
